

## Abstract

1 A method for processing a nucleic acid sample contained in  
a liquid comprises: (a) introducing said liquid into a  
5 chamber (41) of a cartridge (42) which contains a chip  
shaped carrier (44) having an active surface (45) which  
carries an array of oligonucleotides, said active surface  
(45) facing the inner surface of a wall (46) of said  
cartridge,  
10 said chamber (41) having a narrow interior and including a  
channel (43), a portion of said channel lying between said  
active surface (45) of said chip shaped carrier (44) and the  
inner surface of said wall (46),  
a rigid segment (47) of said wall (46) being adapted to be  
15 swung of a predetermined angle back and forth about a  
torsion bar (59), swinging of that segment (47) in one sense  
moving one end thereof towards said active surface (45), and  
swinging of that segment (47) in the opposite sense moving  
said one end of that segment (47) away from said active  
20 surface (45),  
(b) positioning said cartridge (42) into a cartridge  
holder (56) which holds said cartridge, said positioning  
being effected before or after introduction of said liquid  
containing a sample into said chamber (41), and  
25 (c) swinging said rigid segment (47) of said wall (46)  
of said predetermined angle back and forth about said  
torsion bar (59) in order to cause relative motion of the  
liquid contained in said channel (43) with respect to said  
active surface (45) of said chip shaped carrier (44).

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